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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/767,050	01/22/2001	Colin D. Frank	CE08703R	5082
22917	7590	09/21/2005	EXAMINER	
MOTOROLA, INC. 1303 EAST ALGONQUIN ROAD IL01/3RD SCHAUMBURG, IL 60196			WARE, CICELY Q	
			ART UNIT	PAPER NUMBER
			2634	

DATE MAILED: 09/21/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Supp
Notice of Allowability

Application No.

09/767,050

Examiner

Cicely Ware

Applicant(s)

FRANK, COLIN D.

Art Unit

2634

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is ~~responsive~~ ^{Supplemental} to NOA filed on 6/03/2005.
2. ☒ The allowed claim(s) is/are 15-29 renumber as 1-15 respectively.
3. ☒ The drawings filed on 30 November 2004 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
(b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|---|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____ |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ | 7. <input type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input checked="" type="checkbox"/> Other <u>See Continuation Sheet</u> |

Supplemental Examiner's Amendment

SUPPLEMENTAL EXAMINER'S AMENDMENT

I. Amendments to the Claims

- a. Claim 16, line 6, delete ".", insert ", wherein N denotes the length of this code, I_{or} denotes the power per chip received from the serving base station, Ω denotes the normalized covariance matrix for both \mathbf{R}_0 and \mathbf{R}_1 , E is the evaluation of the mean and covariance of the observation vectors \mathbf{R}_0 and \mathbf{R}_1 ."
- c. Claim 17, line 7, delete ".", insert ", wherein N denotes the length of this code, I_{or} denotes the power per chip received from the serving base station, Ω denotes the normalized covariance matrix for both \mathbf{R}_0 and \mathbf{R}_1 , E is the evaluation of the mean and covariance of the observation vectors \mathbf{R}_0 and \mathbf{R}_1 ."
- e. Claim 22, line 9, after "a second output," insert "wherein \mathbf{f}_0 and \mathbf{f}_1^* are two channel vectors, N denotes the length of this code, I_{or} denotes the power per chip received from the serving base station, Ω denotes the normalized covariance matrix for both \mathbf{R}_0 and \mathbf{R}_1 , E is the evaluation of the mean and covariance of the observation vectors \mathbf{R}_0 and \mathbf{R}_1 , Γ_Q denotes the correlation matrix".
- f. Claim 26, line 9, after "a second output" insert "; wherein \mathbf{f}_0 and \mathbf{f}_1^* are two channel vectors, N denotes the length of this code, I_{or} denotes the power per chip received from the serving base station, Ω denotes the normalized covariance matrix for both \mathbf{R}_0 and \mathbf{R}_1 , E is the evaluation of the mean and covariance of the observation vectors \mathbf{R}_0 and \mathbf{R}_1 , Γ_Q denotes the correlation matrix".

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Conclusion


2. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Cicely Ware whose telephone number is 571-272-3047. The examiner can normally be reached on Monday – Friday, 8-5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Stephen Chin can be reached on 571-272-3056. The fax phone numbers for the organization where this application or proceeding is assigned are 703-872-9314 for regular communications and 703-872-9314 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-305-3900.

Cicely Ware

cqw
September 8, 2005


STEPHEN CHIN
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2800